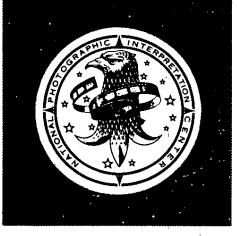
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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

SPECIAL-PURPOSE AIRCRAFT AT SOVIET AVIATION AIRFIELDS IN THE USSR, EAST EUROPE, AND MONGOLIA (S)

PHOTOGRAPHIC

NTERPRETATION

REPORT

Top Secret

PIR-036/78 AUGUST 1978

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	AIRCRAFT AT SOVIET AVIATION AIRFIELDS R, EAST EUROPE, AND MONGOLIA (S)
	ABSTRACT
(AN-10) and CURL (AN-26) 8) helicopters identified on airfields are in the USSR,	provides an imagery-derived analysis of special-purpose CAT aircraft and special-purpose HOOK (MI-6) and HIP C (MI-KEYHOLE imagery at 35 Soviet aviation airfields. These Czechoslovakia, Poland, Hungary, and Mongo-report that these aircraft are used as airborne command
2. (U) This report cographs.	ntains a location map, a table, and four annotated photo-
	BASIC DESCRIPTION
USSR, East Europe, and M	lows the locations of the 35 Soviet aviation airfields in the longolia where special-purpose aircraft have been identified. y military district or country and shows the type of specialeach.
at six Soviet aviation airfie from the standard CAT b on satellite imagery: at le mounted on the fuselage for	purpose CAT aircraft was identified on KEYHOLE imagery lds in the USSR (Table 1). The special-purpose CAT differs y the addition of the following items of equipment visible ast one very-high-frequency (VHF) blade antenna dorsally ward of the wing, two VHF blade antennas dorsally mounted ing, and one dorsally mounted wire antenna on the starboard wing (Figure 2).
at 19 Soviet aviation airfield purpose CURL differs from equipment visible on satelli on the fuselage forward of t	purpose CURL aircraft was identified on KEYHOLE imagery is in the USSR, Hungary, and Poland (Table 1). The special-the standard CURL by the addition of the following items of the imagery: two offset VHF blade antennas dorsally mounted the wing, two offset VHF blade antennas dorsally mounted on the and one unidentified antenna/patch mounted on the tip of the 3).
6. (TSR) The special- agery at 22 Soviet aviation vakia, and Mongolia (Tabl HOOK by the addition of t two unidentified pods mou VHF blade antennas in an	purpose HOOK helicopter was identified on KEYHOLE im-

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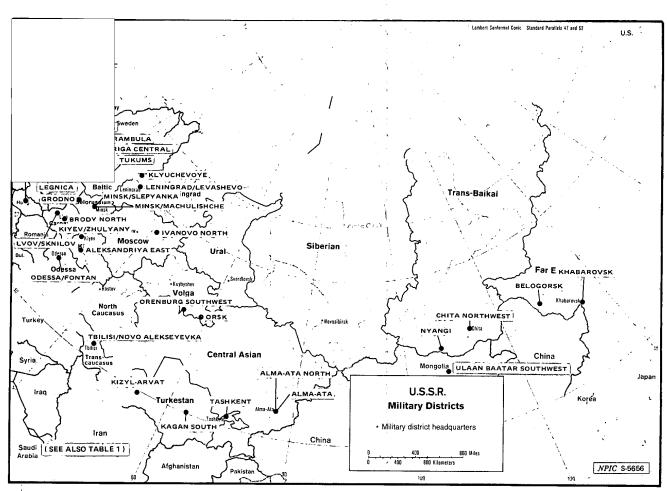


FIGURE 1. LOCATIONS OF SOVIET AVIATION AIRFIELDS HOUSING SPECIAL-PURPOSE AIRCRAFT

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Table 1. Airfields in the USSR, East Europe, and Mongolia Which House Special-Purpose Aircraft, Arranged by Military Association

This table in its entirety is classified TOP SECRET RUFF UMBRA

Military District Or	Airfield Name	BE	Tac Air	Types of Special-Purpose Aircraft Deployed			
Country			Army¹	CURL	ноок	CAT	HIP C
Baltic	Riga Central	1	15th	Yes	No	No	No
	Riga/Rambula		15th .	Yes	No	No	No
	Tukums		15th	Yes*	No	No	No
Beforussian	Grodno		26th	No	Yes	No	No
•	Minsk/Machulishche		26th	Yes	No	Yes	No
	Minsk/Slepyanka		26th	No	Yes	No	No
Carpathian	Brody North		14th	No	Yes	No	No
	Lvov/Sknilov		14th	No	Yes	Yes**	No
Central Asian	Alma-Ata		73d	Yes	No	Yes	No
	Alma-Ata North		73d -	Yes	Yes	No	Yes
Far East	Belogorsk ,		1st	No	Yes	No	Yes
	Khabarovsk		1st	Yes	Yes	Yes	No
Kiyev	Aleksandriya East		17th	No	Yes	No	No
•	Kiyev/Zhulyany		17th -	Yes	Nο	No	No
Leningrad .	Klyuchevoye		76th	No	Yes	No	No
	Leningrad/Levashevo		76th	Yes	No	No	No
Moscow	Ivanovo North		MDAV***	Yes*	No	No	No
Odessa .	Odessa/Fontan		5th	Yes	Yes	Yes**	No
Transbaikal	Chita Northwest		23d	Yes	Yes	Yes	No
	Nyangi '		23d	Yes*	No	No	No
Transbaikal (Mongolia)	Ulaan Baatar Southwest		23d	No	Yes	No	No
Transcaucasus	Tbilisi/Novo Alekseyevka		34th	Yes	Yes	No	No
Turkestan	Kagan South		6th	No	Yes	No	No
	Kizyl-Arvat		6th	No	Yes*	No	No
	Tashkent		6th	No	Yes	No	No
Volga	Orenburg Southwest		MDAV***	Yes	No	No	No
•	Orsk		MDAV***	Yes	No	No	No
	Milovice		SAF***	No	Yes	No	No

^{*}Not usually seen here; not headquarters

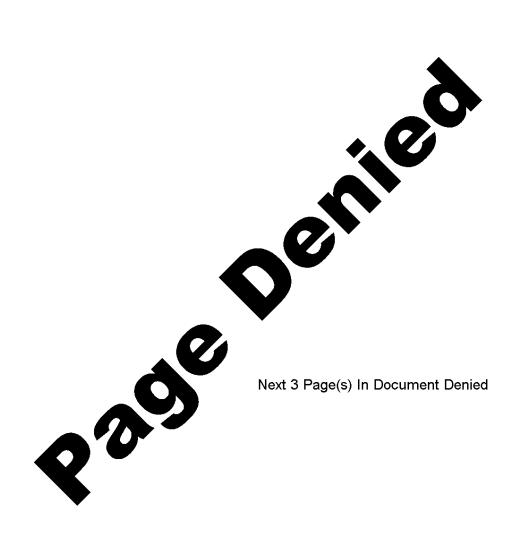
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^{***}MDAV-- Military District Aviation; SAF--Soviet Air Force.



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- 7. (TSR) The special-purpose HIP C helicopter was identified on KEYHOLE imagery at two Soviet aviation airfields in the USSR (Table 1). The special-purpose HIP C differs from the standard HIP C by the addition of the following items of equipment visible on satellite imagery: a CLOTHES HORSE antenna dorsally mounted on the tail boom just aft of the fuselage, a ventrally mounted V-shaped antenna/antenna mount just forward of the horizontal stabilizer, and two unidentified boxes, one mounted on each side of the fuselage where the rocket pods are often mounted (Figure 5).
- 8. (TSU) The deployment of these special-purpose aircraft at Military District Headquarters and/or Tactical Air Army Headquarters (exceptions are noted in Table 1) suggests that these aircraft will serve as airborne command posts/radio-relay platforms in support of Military District Headquarters, Tactical Air Armies, and Tactical Air Signal Regiments in the event of hostilities. If these aircraft are used as airborne command posts/radio-relay platforms, it would upgrade the Soviet airborne strike capability and reduce the vulnerability of Soviet command communications with forward air controllers serving the ground units.¹

REFERENCES

IMAGERY	
(TSR) KEYHOLE imagery acquired from was used in the preparation of this report.	25X1 25X1
DOCUMENT	
	25X1
REQUIREMENT	
Project 130011NE	
(S) Comments and queries regarding this report are welcome. They may be directed to Warsaw Pact Forces Division, Imagery Exploitation Group,	25X1 25X1 25X1

List of Conversion Factors by Classification

	UNI	TS	OF.	LEI	NGT	ГН
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UNITS OF MASS

						,
	IF YOU HAVE	MULTIPLY 8Y	TO OBTAIN	IF YOU HAVE	MULTIPLY BY	TO OBTAIN
	MILLIMETERS	0.0394	INCHES	KILOGRAMS	2.2046	POUNDS(AVOIR.)
	CENTIMETERS	0.3937	INCHES	POUNDS(AVOIR.)	0.4536	KILOGRAMS
	INCHES	25.4000	MILLIMETERS	SHORT TONS	0.9072	METRIC TONS
	INCHES	2.5400	CENTIMETERS	METRIC TONS	1.1023	SHORT TONS
	FEET	0.3048	METERS	METRIC TONS	0.9842	LONG TONS
•	FEET	0.0003	KILOMETERS ·	LONG TONS	1.0160	METRIC TONS
:	YARDS	0.9144	METERS			
	METERS	3.2808	FEET .	•		
	METERS	0.0005	MILES(NAUTICAL)			
:	METERS	1.0936	YARDS		UNITS OF VOL	UME
	KILOMETERS	3280.8400	FEET			
	KILOMETERS	0.6214	MILES(STATUTE)	IF YOU HAVE	MULTIPLY BY	TO OBTAIN
,	KILOMETERS	0.5400	MILES(NAUTICAL)	LITERS	0.2642	CALLONE
	MILES(STATUTE)	1.6093	KILOMETERS	LITERS	0.0063	GALLONS
	MILES(NAUTICAL)	6076.1154	FEET	LITERS	0.0003	BARRELS(POL)
ı	MILES(NAUTICAL)	1.8520	KILOMETERS	GALLONS	- 3.7854	CUBIC METERS
	MILES(NAUTICAL)	1852.0000	METERS .	GALLONS	3.7854 20.1337	LITERS
				GALLONS	0.0238	CUBIC FEET
				GALLONS	0.0238	BARRELS(POL)
				BUSHELS	0.0352	CUBIC METERS
	u	INITS OF AR	EA	CUBIC FEET		CUBIC METERS
,	IF YOU HAVE	MULTIPLY BY	TO OBTAIN	CUBIC FEET	7.4805	GALLONS
	SQUARE CENTIMETERS	0.1550	ACULARS INCLUS	CUBIC FEET	0.1781	BARRELS(POL)
	SQUARE INCHES	0.1550	SQUARE INCHES	CUBIC YARDS	0.0283	CUBIC METERS
	SQUARE FEET	6.4516	SQUARE CENTIMETERS		0.7646	CUBIC METERS
	_	0.0929	SQUARE METERS	BARRELS(POL)	158.9873	LITERS
	SQUARE YARDS	0.8361	SQUARE METERS,	BARRELS(POL)	42.0000	GALLONS
	SQUARE METERS	10.7639	SQUARE FEET	DANNELS(PUL)	5.6146	CUBIC FEET
	SQUARE METERS	1.1960	SQUARE YARDS	BARRELS(POL)	0.1590	CUBIC METERS
	SQUARE METERS	1.0000	CENTARES	CUBIC METERS	1000.0000	LITERS
	SQUARE METERS	0.0002	ACRES	CUBIC METERS	284.1721	GALLONS
	SQUARE METERS	0.0001	HECTARES	CUBIC METERS	35.3147	CUBIC FEET
	ACRES	4046.8564	SQUARE METERS	CUBIC METERS	28.3776	BUSHELS
	ACRES	0.4047	HECTARES	CUBIC METERS	6.2898	BARRELS(POL)
	HECTARES	10000.0000	SQUARE METERS	CUBIC METERS	1.3080	CUBIC YARDS

ACRES

2.4711

HECTARES

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